

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Sainio	Examiner:	UNKNOWN
Serial No.:	TO BE ASSIGNED	Group Art Unit:	TO BE ASSIGNED
Filed:	June 1, 2001	Docket No.:	796.392USW1
Title:	INITIATION OF SERVICES IN TELECOMMUNICATIONS NETWORK		

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The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By: 

Kari Arnold

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please amend claims 1-22 as follows. A clean copy of the entire set of claims is included below. A marked up copy of the amended claims is included in Appendix A.

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1. (AMENDED)

Method of initiating services in a

telecommunications network including at least one switching point and at least two control points for controlling services, which control points each have a unique address, in which method a service request is sent by the switching point to the control point in order to initiate a service, the method comprising

at least two control point addresses are set to which a service request can be sent and

a service request is sent to the control point addresses set one at a time, until the service is initiated at one of the addresses.

2. (AMENDED)

Method according to claim 1, wherein

the service request is sent to one address and

when this address does not initiate the service, the service request is sent to another address, until the service is initiated at one of the addresses.

3. (AMENDED)

Method according to claim 2, wherein

at least one control point provides the switching point with congestion information,

the service request is sent to one address selected on the basis of the congestion information, and

when this address does not initiate the service, the service request is sent to another address selected on the basis of the congestion information, until the service is initiated at one of the addresses.

4. (AMENDED)

Method according to claim 1, wherein

the telecommunications network is an intelligent network and

the addresses are set in the trigger data of IN-services.

5. (AMENDED) Method according to claim 2, wherein

a priority indication is attached to the addresses set and

another address is selected on basis of the priority indication.

6. (AMENDED) Method according to claim 2, wherein the service

request is sent to another address when the previous address does not respond.

7. (AMENDED) Method according to claim 2, wherein the service

request is sent to another address when the previous address refuses to initiate the service.

8. (AMENDED) Method according to claim 1 wherein the re-sending

of the service request is controlled by a limit.

9. (AMENDED) Method of initiating services in a telecommunications

network including at least one switching point and at least two control points for controlling services, which control points each have a unique address, in which method a service request is sent by the switching point to the control point in order to initiate a service, and the switching point has congestion information of at least one control point the method comprising:

at least two control point addresses are set to which a service request can be sent and

a service request is sent to a control point address selected on the basis of the congestion information.

10. (AMENDED) Method according to claim 9, wherein the congestion information is sent by at least one control point, which congestion information restricts the rate at which service requests are sent to this control point.

11. (AMENDED) Method according to claim 9, wherein the congestion information is based on the number of service requests sent by the switching point to the control point.

12. (AMENDED) Method according to claim 10, wherein the address which still has free capacity according to the congestion information is selected.

13. (AMENDED) Method according to claim 9, wherein the address which has the least restricting congestion information is selected.

14. (AMENDED) Method according to claim 9, wherein
the service request is sent to one address selected on the basis of the congestion information and
when this address does not initiate the service, the service request is sent to another address selected on the basis of the congestion information, until the service is initiated at one of the addresses.

15. (AMENDED) Method according to claim 14, wherein
a maximum number for initiation attempts is set,
it is checked whether the service is initiated at the latest address,
it is checked whether the maximum number of initiation attempts is reached,
and
the service request is sent to another address selected on the basis of the congestion information, until the result of one of the checks is "true".

16. (AMENDED) Method according to claim 14, wherein the service request is sent to another address when the previous address does not respond.

17. (AMENDED) Method according to claim 14, wherein the service request is sent to another address when the previous address refuses to initiate the service.

18. (AMENDED) Method according to claim 9, wherein the telecommunications network is an intelligent network and the addresses are set in the trigger data of IN-services.

19. (AMENDED) A telecommunications network including at least one switching point, at least two control points for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point sends a service request to the control point in order to initiate a service,

wherein

in the database, at least two control point addresses are stored to which a service request can be sent and

the switching point is adapted to send a service request to the set control point addresses one at a time, until the service is initiated at one of the addresses.

20. (AMENDED) A switching point for a telecommunications network including at least one switching point, at least two control points for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point sends a service request to the control point in order to initiate a service,

wherein the switching point is adapted

to receive a list of at least two control point addresses to which a service request can be sent and

to send a service request to the set control point addresses one at a time, until the service is initiated at one of the addresses.

21. (AMENDED) A telecommunications network including at least one switching point, at least two control points for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point sends a service request to the control point in order to initiate a service and the switching point has congestion information of at least one control point,

wherein

in the database, at least two control point addresses are stored to which a service request can be sent and

the switching point is adapted to send a service request to a control point address selected on the basis of the congestion information.

22. (AMENDED) A switching point for a telecommunications network including at least one switching point, at least two control points for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point sends a service request to the control point in order to initiate a service and the switching point has congestion information of at least one control point,

wherein the switching point is adapted

to receive a list of at least two control point addresses to which a service request can be sent and
to send a service request to a control point address selected on the basis of the congestion information

REMARKS

The above preliminary amendment is made to insert an abstract page into the application and to amend claims 1-22.

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

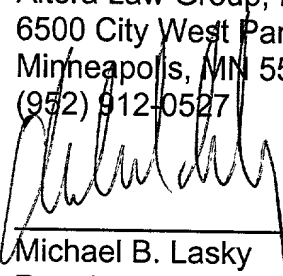
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952-912-0527.

Respectfully submitted,

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Date: June 1, 2001

By:



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Appendix A
Marked Up Version of the Amended Claims

1. (AMENDED) Method of initiating services in a telecommunications network including at least one switching point [(SSP)] and at least two control points [(SCP1, SCP2, SCP3)] for controlling services, which control points each have a unique address, in which method a service request is sent by the switching point [(SSP)] to the control point [(SCP)] in order to initiate a service, [c h a r - a c t e r i z e d in that] the method comprising

at least two control point addresses are set to which a service request can be sent and

a service request is sent to the control point addresses set one at a time, until the service is initiated at one of the addresses.

2. (AMENDED) Method according to claim 1, [c h a r a c t e r i z e d in that] wherein

the service request is sent to one address [(SCP1)] and

when this address does not initiate the service, the service request is sent to another address [(SCP2)], until the service is initiated at one of the addresses.

3. (AMENDED) Method according to claim 2, [c h a r a c t e r i z e d in that] wherein

at least one control point [(SCP1)] provides the switching point [(SSP)] with congestion information,

the service request is sent to one address selected on the basis of the congestion information, and

when this address does not initiate the service, the service request is sent to another address selected on the basis of the congestion information, until the service is initiated at one of the addresses.

4. (AMENDED) Method according to claim 1, [c h a r a c t e r i z e d in that] wherein

the telecommunications network is an intelligent network and

the addresses are set in the trigger data of IN-services.

5. (AMENDED) Method according to claim 2, [c h a r a c t e r i z e d in that] wherein

a priority indication is attached to the addresses set and

another address is selected on basis of the priority indication.

6. (AMENDED) Method according to claim 2, [3, or 4, c h a r a c t e r i z e d in that] wherein the service request is sent to another address when the previous address does not respond.

7. (AMENDED) Method according to claim 2, [3, or 4, c h a r a c t e r i z e d in that] wherein the service request is sent to another address when the previous address refuses to initiate the service.

8. (AMENDED) Method according to [any one of] claim[s] 1[- 5, c h a r a c t e r i z e d in that] wherein the re-sending of the service request is controlled by a limit.

9. (AMENDED) Method of initiating services in a telecommunications network including at least one switching point [(SSP)] and at least two control points [(SCP1, SCP2, SCP3)] for controlling services, which control points each have a unique

address, in which method a service request is sent by the switching point [(SSP)] to the control point [(SCP)] in order to initiate a service, and the switching point [(SSP)] has congestion information of at least one control point [(SCP), c h a r a c t e r i z e d in that] the method comprising:

at least two control point addresses are set to which a service request can be sent and

a service request is sent to a control point address selected on the basis of the congestion information.

10. (AMENDED) Method according to claim 9, [c h a r a c t e r i z e d in that] wherein the congestion information is sent by at least one control point [(SCP1)], which congestion information restricts the rate at which service requests are sent to this control point [(SCP1)].

11. (AMENDED) Method according to claim 9, [c h a r a c t e r i z e d in that] wherein the congestion information is based on the number of service requests sent by the switching point [(SSP)] to the control point [(SCP)].

12. (AMENDED) Method according to claim 10, [c h a r a c t e r i z e d in that] wherein the address which still has free capacity according to the congestion information is selected.

13. (AMENDED) Method according to claim 9, [10 or 11, c h a r a c t e r i z e d in that] wherein the address which has the least restricting congestion information is selected.

14. (AMENDED) Method according to claim 9, [c h a r a c t e r i z e d in that] wherein

the service request is sent to one address selected on the basis of the congestion information and

when this address does not initiate the service, the service request is sent to another address selected on the basis of the congestion information, until the service is initiated at one of the addresses.

15. (AMENDED) Method according to claim 14, [c h a r a c t e r i z e d in that] wherein

a maximum number for initiation attempts is set,

it is checked whether the service is initiated at the latest address,

it is checked whether the maximum number of initiation attempts is reached,

and

the service request is sent to another address selected on the basis of the congestion information, until the result of one of the checks is "true".

16. (AMENDED) Method according to claim 14 [or 15, c h a r a c t e r i z e d in that] wherein the service request is sent to another address when the previous address does not respond.

17. (AMENDED) Method according to claim 14 [or 15, c h a r a c t e r i z e d in that] wherein the service request is sent to another address when the previous address refuses to initiate the service.

18. (AMENDED) Method according to claim 9, [c h a r a c t e r i z e d in that] wherein

the telecommunications network is an intelligent network and

the addresses are set in the trigger data of IN-services.

19. (AMENDED) A telecommunications network including at least one switching point [(SSP)], at least two control points [(SCP1, SCP2, SCP3)] for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point [(SSP)] sends a service request to the control point [(SCP)] in order to initiate a service,

[c h a r a c t e r i z e d in that] wherein

in the database, at least two control point addresses are stored to which a service request can be sent and

the switching point [(SSP)] is adapted to send a service request to the set control point addresses one at a time, until the service is initiated at one of the addresses.

20. (AMENDED) A switching point for a telecommunications network including at least one switching point [(SSP)], at least two control points [(SCP1, SCP2, SCP3)] for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point [(SSP)] sends a service request to the control point [(SCP)] in order to initiate a service,

[c h a r a c t e r i z e d in that] wherein the switching point [(SSP)] is adapted

to receive a list of at least two control point addresses to which a service request can be sent and

to send a service request to the set control point addresses one at a time, until the service is initiated at one of the addresses.

21. (AMENDED) A telecommunications network including at least one switching point [(SSP)], at least two control points [(SCP1, SCP2, SCP3)] for controlling

services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point [(SSP)] sends a service request to the control point [(SCP)] in order to initiate a service and the switching point [(SSP)] has congestion information of at least one control point [(SCP)],

[c h a r a c t e r i z e d in that] wherein

in the database, at least two control point addresses are stored to which a service request can be sent and

the switching point [(SSP)] is adapted to send a service request to a control point address selected on the basis of the congestion information.

22. (AMENDED) A switching point for a telecommunications network including at least one switching point [(SSP)], at least two control points [(SCP1, SCP2, SCP3)] for controlling services, which control points each have a unique address, and a database for storing information relating to services, in which network the switching point [(SSP)] sends a service request to the control point [(SCP)] in order to initiate a service and the switching point [(SSP)] has congestion information of at least one control point [(SCP)],

[c h a r a c t e r i z e d in that] wherein the switching point [(SSP)] is adapted to receive a list of at least two control point addresses to which a service request can be sent and

to send a service request to a control point address selected on the basis of the congestion information.